



# High-Capacity Grow-Optimized Dehumidifier

Model A210V1 | Specification Sheet

## SPECIFICATIONS

Capacity <sup>(1)</sup> PPD AT 80°/60%RH	210
Energy factor <sup>(1)</sup>	2.9 L/kWh 6.1 pints/kWh
Voltage, Phase, Frequency	208-240VAC, 1 Phase, 60 Hz
Current draw (amps) <sup>(1)</sup>	7.1
Power (watts) <sup>(1)</sup>	1,450
Btu/h <sup>(2)</sup>	4,950

SJT, 6-15P, 10ft

Power cord type and length



Hardwire	Field-configurable
Breaker size	15 amp
CFM	525
Dimensions:	Width: 19½" Height: 18¾" Length: 30½"
Weight	118 lbs.
Operating range Temp/RH	60/50 to 85/80

<sup>(1)</sup>Rated capacity and energy factor test done and current draw measured in accordance with AHAM DH-1 2008 at 80°F/60% RH inlet air at 0.0 ESP, 208 VAC.

<sup>(2)</sup>Total cooling load @ 80°F/60% RH.

## FEATURES

Control	Onboard digital with diagnostics
Air supply orientation	Horizontal
Filter	14"x18"x2" MERV 11
Refrigerant	R410A
Coil type	Copper tube, Aluminum fin with i-coat
Drain connection	¾" FNPT
P-Trap required	No
Leveling feet	Included
Hanging brackets	Included
Warranty	5 Years on all parts including refrigeration system

## INCLUDED ITEMS

Control	Model A77
Drain fittings	¾" MNPT x ¾" BARB
Drain tubing (length, ID)	10' - ¾" ID
Thermostat wire	30' 20 gauge 4-wire



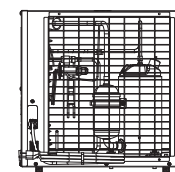
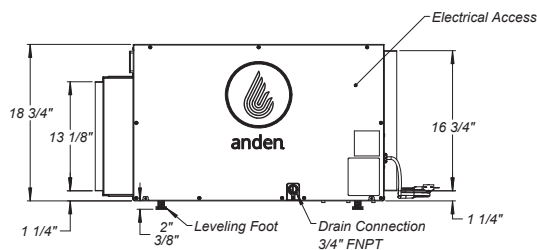
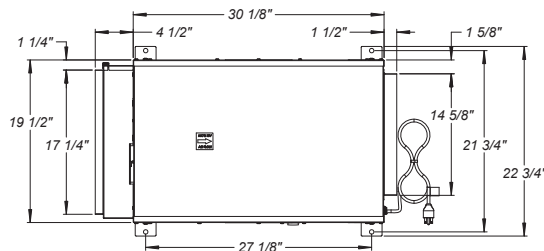
## PRINCIPLE OF OPERATION

The Anden Model A210V1 Dehumidifier is designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point of the air. Moisture is removed from the air and drained out of the unit to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit.

Dehumidification occurs until the set point is reached, then shuts off until the control determines a need for operation.

## APPLICATION

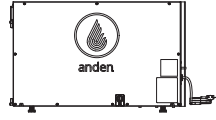

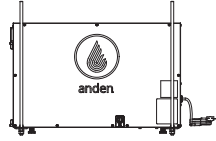
The Anden Model A210V1 Dehumidifier is the perfect solution for the precise management of humidity required in an indoor growing environment.



90-2430



# Installation Options for the Anden A210V1 Dehumidifier

APPLICATIONS	
<p><b>Freestanding</b></p> <ul style="list-style-type: none"> <li>• Air is pulled into the dehumidifier directly from the space, dehumidified and returned to the space.</li> </ul>	
<p><b>Ducted</b></p> <ul style="list-style-type: none"> <li>• Remotely located and ducted into grow space.</li> <li>• Circulates air to equalize humidity, temperature and CO<sub>2</sub>.</li> <li>• Duct mounting kit part #5790 (sold separately).</li> </ul>	
<p><b>Suspended</b></p> <ul style="list-style-type: none"> <li>• Air is pulled into the dehumidifier directly from the space, dehumidified and returned to the space.</li> <li>• The dehumidifier is hung from the ceiling to save space in the facility.</li> </ul>	

## Model A77



**Model A77**  
Dedicated monitoring and control of each dehumidifier at canopy height.

## SPECIFICATIONS

### Electrical

**Input voltage and current** Voltage: 35VDC (supplied by dehumidifier control board)

**Output** Communication (RS485)

### Control

**Control range** 35%–80% RH

**Accuracy** +/-5% RH

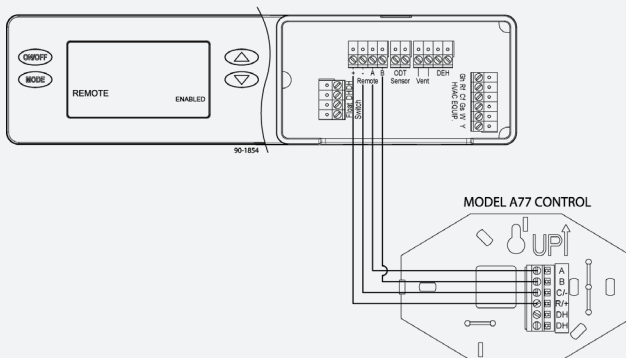
**Differential** 3% RH

**Low limit** 40°F dew point

**High limit** 99°F dry bulb

The Model A210V1 can be controlled with the Model A77 Control (optional) or any external control that can provide a dry contact closure. When the Model A77 is used, the User Interface on the dehumidifier **MUST BE** set to "Remote". For all other external controls, the User Interface **MUST BE** set to "External". Refer to the quick start guide or installation manual for instructions on accessing the installer set-up menu.

### Model A77 Control (Optional)



### External Control w/ Dry Contacts

